	Application Number		10718823	
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	Examiner Name	Chan	nnavajjala, Srirama T.	
	Attorney Docket Numb	er	Ol7035742001	

	U.S.PATENTS									
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue C	ate	of cited Document			s,Columns,Lines where ant Passages or Rele es Appear	
/KP/	1	6643633	B2	2003-11	-04	Chau et al.				·
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/KP/	1	60-218142	JP			1985-10-31	Hitachi LTD.			×
/KP/	2	2-165353	JP			1990-06-26	Fujitsu LTD.			×
/KP/	3	8-249159	JP			1996-09-27	Fujitsu LTD.			×

Application Number		10718823				
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Art Unit		2166				
Examiner Name	Chai	navajjala, Srirama T.				
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/KP/	1	INFORMIX CORPORAT	NFORMIX CORPORATION "Universal Data Option for Informix Dynamic Server", 1998, 8 pages								
/KP/	2	ORACLE CORPORATION *10.1. What is the Direct Path?" from Oracle SQL*Loader: The Definitive Guide, 2001, 29 ogs., published by O'Reilly & Associates.									
/KP/	3	(9.2), 29 pgs., Copyright	ORACLE CORPORATION "Conventional and Direct Path Loads" Chapt. 9 from Oracle 9i Database Utilities Release 2 (9.2), 29 pgs., Copyright 2002 Oracle Corporation. Available online at http://www.utexas.edu/its/unix/reference/oracledocs/v92/B10501_01/server.920/a96652/ch09.htm								
/KP/	4	ORACLE CORPORATIO Reference Release 2 (9. java.920/a96655/objcoll.	2). Copyright 199	ctions, a 9, 2002.	nd OPAQUE Ty Available onlin	pes" from Oracle9i SQLJ De e at http://www.lc.leidenuniv	eveloper's Guide and r.nl/awcourse/oracle/				
/KP/	5	SUN MICROSYSTEMS docs/api/javax/sql/rowse	'SerialJavaObject t/serial/SerialJava	(Java 2 Object.h	Platform SE 5.0 trnl. Accessed /)", available online at http://j April 8, 2006. Copyright 200	ava.sun.com/j2se/1.5.0/ 04 Sun Microsystems				
/KP/	6	CHEN, R-S, et al. "Devel 1st Int'l Symposium on Ir	loping an XML Fra nformation and Co	ımework mmunic	for Metadata S ation, pp. 267-2	ystem" Trinity College, Dubli 72	in, Proceedings of the				
/KP/	7	IPEDO, Inc., "Ipedo XML	Database 3.1: D	evelope	r's Guide" 2001,	XP-002306148, 12 pages					
/KP/	8	LI, X. "A Survey of Scher	na Evolution in Ot	oject-Ori	ented Database	s" IEEE, 1999, pp. 362-371					

Application Number		10718823			
Filing Date		2003-11-21			
First Named Inventor Namit		JAIN			
Art Unit		2166			
Examiner Name	Chan	navajjala, Srirama T.			
Attorney Docket Numb	er	Ol7035742001			

										
	9	Mack	KENZIE, D. et al. "Finding Files" GNU Findutils Version 4.1.2, November 1994	, 38 pgs.						
/KP/	10	MAN gene	OLESCU, D., Review of "Metadata solutions: using metamodels, repositories rate information on demand by Adrienne Tannebaum", ACM Press, March, 20	, XML, and 103, Vol. 28	enterprise portals to , Issue 2, page 38					
/KP/	11	McCl techr	LUSKEY, G. "Using Java Reflection" January, 1998, 8 pgs., available online at nicalArticles/ALT/Reflection/	l http://java	.sun.com/developer/					
/KP/	12	PARI	KERSON, C. "Ipedo XML Database 3.1 Now Available" July 22, 2002, XP-002	306149, pr	o. 1-2					
/KP/	13		RASHID, A. "A Framework for Customisable Schema Evolution in Object-Oriented Databases" Proceedings of the 7th nt'l Database Engineering and Applications Symposium (IDEAS'03), IEEE, 2003, 5 pages							
/KP/	14	RIGG	RIGGS, R. et al. "Pickling State in the Java™ System" XP002128178, 10 pages							
/KP/	15	SOSI	NOSKI, D. "Java programming dynamics, Part 2: Introducing reflection" June -128.ibm.com/developerworks/library/j-dyn0603/	3. 2003. A	Available online at http://					
/KP/	16	SU, F	H. et al. "XEM: XML Evolution Management" January, 2002, XP-002306151, p	op. 1-32						
If you wis	h to a	dd add	ditional non-patent literature document citation information please click	the Add b	outton Add					
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	Application Number		10718823	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	First Named Inventor Namit		t JAIN	
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Application Number		10718823			
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	1			"Oracle9i, XML Database E 02, Title page, copyright pag				9.2),
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	First Named Inventor Namit		LJAIN	
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/KP/	1	20020078068	A1	2002-06	S-20	Krishnaprasad et al.					
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Art Unit		2166				
Examiner Name	Chani	navajjala, Srirama T.				
Attorney Docket Number		OI7035742001				

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/KP/ 1 HIGGINS, S., Oracle Corporation, "Oracle9i, XML Database Developer's Guide - Oracle XML DB" Release 2 (9.2), October, 2002, Part No. A96620-02, Chapter 21-Index.							
If you wi	sh to a	add a	dditional non-patent literature document citation i	information please click the Add t	outton Add		
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/KP/	2	20050228818	A1	2005-10	-13	Murthy et al.					
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1	TÜRKER, C., "Schema Evolution in SQL-99 and Commercial (Object-) Relational DBMS" 9th Int'l Workshop on Foundations of Models and Languages for Data and Objects Fomlado/Demm 2000, September 18, 2000, XP-002306150, pp. 1-32	
2	WANG, Y. et al. "X-Diff: An Effective Change Detection Algorithm for XML Documents" Proceedings of the 19th Int'l Conference on Data Engineering (ICDE'03), IEEE, 2003, pp. 519-530	
3	Written Opinion for PCT/US2004/027464 dated December 8, 2004, 6 pgs.	
4	International Preliminary Report on Patentability for PCT/US2004/027464 dated December 23, 2005, 13 pgs.	
5	Japan Patent Office "Notice of Ground of Rejection" with English translation, application 569322/2000, dated April 27, 2005, 6 pgs.	×
6	Office Action dated April 14, 2006 for US Serial No. 10/648,600.	
7	Office Action dated October 11, 2006 for US Serial No. 10/648,600.	
8	Examiner's Answer dated August 9, 2007 for US Serial No. 10/648,600.	
9 .	Office Action dated April 17, 2006 for US Serial No. 10/648,577.	
10	Office Action dated October 30, 2006 for US Serial No. 10/648,577.	
	1 2 3 4 5 6 7 8 9	(book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. 1 TÜRKER, C., "Schema Evolution in SQL-99 and Commercial (Object-) Relational DBMS" 9th Int'l Workshop on Foundations of Models and Languages for Data and Objects Fornlado/Demm 2000, September 18, 2000, XP-002306150, pp. 1-32 2 WANG, Y. et al. "X-Diff: An Effective Change Detection Algorithm for XML Documents" Proceedings of the 19th Int'l Conference on Data Engineering (ICDE'03), IEEE, 2003, pp. 519-530 3 Written Opinion for PCT/US2004/027464 dated December 8, 2004, 6 pgs. 4 International Preliminary Report on Patentability for PCT/US2004/027464 dated December 23, 2005, 13 pgs. 5 Japan Patent Office "Notice of Ground of Rejection" with English translation, application 569322/2000, dated April 27, 2005, 6 pgs. 6 Office Action dated April 14, 2006 for US Serial No. 10/648,600. 7 Office Action dated October 11, 2006 for US Serial No. 10/648,600. 8 Examiner's Answer dated August 9, 2007 for US Serial No. 10/648,600. 9 Office Action dated April 17, 2006 for US Serial No. 10/648,577.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10718823 Filing Date 2003-11-21 First Named Inventor Namit JAIN Art Unit 2166 Examiner Name Channavajjala, Srirama T. Attorney Docket Number 017035742001

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